

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/579,137  
Source: IFWP  
Date Processed by STIC: 5-24-06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>**> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER:

10/579,137

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2      Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3      Misaligned Amino  
    Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4      Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5      Variable Length      Sequence(s)      contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6      PatentIn 2.0  
    "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)     . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7      Skipped Sequences  
    (OLD RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence:  
    (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
    (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
    This sequence is intentionally skipped  
  
    Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8      Skipped Sequences  
    (NEW RULES)      Sequence(s)      missing. If intentional, please insert the following lines for each skipped sequence.  
    <210> sequence id number  
    <400> sequence id number  
    000
- 9      Use of n's or Xaa's  
    (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
    Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10      Invalid <213>  
    Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11      Use of <220>      Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12      PatentIn 2.0  
    "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13      Misuse of n/Xaa      "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWP

## RAW SEQUENCE LISTING

DATE: 05/24/2006

PATENT APPLICATION: US/10/579,137

TIME: 12:20:34

Input Set : A:\TUR-181.Sequence.ST25.txt

Output Set: N:\CRF4\05242006\J579137.raw

3 <110> APPLICANT: Abacus Diagnostica Oy  
 4 NURMI, Jussi  
 5 KORPIMAKI, Teemu  
 7 <120> TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION ASSAY AND ARRANGEMENT  
 THEREFOR  
 9 <130> FILE REFERENCE: TUR-181  
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/579,137  
 C--> 12 <141> CURRENT FILING DATE: 2006-05-15  
 14 <150> PRIOR APPLICATION NUMBER: US 60/520,647  
 15 <151> PRIOR FILING DATE: 2003-11-18  
 17 <150> PRIOR APPLICATION NUMBER: FI 20031678  
 18 <151> PRIOR FILING DATE: 2003-11-18  
 20 <160> NUMBER OF SEQ ID NOS: 10  
 22 <170> SOFTWARE: PatentIn version 3.2  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 28  
 26 <212> TYPE: DNA  
 27 <213> ORGANISM: Artificial Sequence  
 29 <220> FEATURE:  
 30 <223> OTHER INFORMATION: Probe  
 32 <400> SEQUENCE: 1  
 33 cgatttcac cgcgtgtttc ttttcgta  
 36 <210> SEQ ID NO: 2  
 37 <211> LENGTH: 14  
 38 <212> TYPE: DNA  
 39 <213> ORGANISM: Artificial Sequence  
 41 <220> FEATURE:  
 42 <223> OTHER INFORMATION: quencher  
 44 <400> SEQUENCE: 2  
 45 cgcggatgaa atcg  
 48 <210> SEQ ID NO: 3  
 49 <211> LENGTH: 19  
 50 <212> TYPE: DNA  
 51 <213> ORGANISM: Artificial Sequence  
 53 <220> FEATURE:  
 54 <223> OTHER INFORMATION: primer  
 56 <400> SEQUENCE: 3  
 57 tgcaagtcct aagacgcca  
 60 <210> SEQ ID NO: 4  
 61 <211> LENGTH: 24  
 62 <212> TYPE: DNA  
 63 <213> ORGANISM: Artificial Sequence  
 65 <220> FEATURE:  
 66 <223> OTHER INFORMATION: primer

Does Not Comply  
Corrected Diskette Needed

(Pg. 1-2)

28

What is the  
source of  
genetic material?

14

See item #

19

on error  
Summary sheet

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/579,137

DATE: 05/24/2006

TIME: 12:20:34

Input Set : A:\TUR-181.Sequence.ST25.txt

Output Set: N:\CRF4\05242006\J579137.raw

68 <400> SEQUENCE: 4  
 69 cactgcatct ccgtggtata ctaa 24  
 72 <210> SEQ ID NO: 5  
 73 <211> LENGTH: 22  
 74 <212> TYPE: DNA  
 75 <213> ORGANISM: Artificial Sequence  
 77 <220> FEATURE:  
 78 <223> OTHER INFORMATION: probe  
 80 <400> SEQUENCE: 5  
 81 ttgatgtgat ggctcctggc ca  
 84 <210> SEQ ID NO: 6  
 85 <211> LENGTH: 12  
 86 <212> TYPE: DNA  
 87 <213> ORGANISM: Artificial Sequence  
 89 <220> FEATURE:  
 90 <223> OTHER INFORMATION: quencher  
 92 <400> SEQUENCE: 6  
 93 ccatcacatc aa  
 96 <210> SEQ ID NO: 7  
 97 <211> LENGTH: 20  
 98 <212> TYPE: DNA  
 99 <213> ORGANISM: Artificial Sequence  
 101 <220> FEATURE:  
 102 <223> OTHER INFORMATION: primer  
 104 <400> SEQUENCE: 7  
 105 atggatgtta tcaacatgag  
 108 <210> SEQ ID NO: 8  
 109 <211> LENGTH: 18  
 110 <212> TYPE: DNA  
 111 <213> ORGANISM: Artificial Sequence  
 113 <220> FEATURE:  
 114 <223> OTHER INFORMATION: primer  
 116 <400> SEQUENCE: 8  
 117 gagtcgccat ggacgttc  
 120 <210> SEQ ID NO: 9  
 121 <211> LENGTH: 20  
 122 <212> TYPE: DNA  
 123 <213> ORGANISM: Artificial Sequence  
 125 <220> FEATURE:  
 126 <223> OTHER INFORMATION: primer  
 128 <400> SEQUENCE: 9  
 129 tgaagtctga cgtggacatc  
 132 <210> SEQ ID NO: 10  
 133 <211> LENGTH: 21  
 134 <212> TYPE: DNA  
 135 <213> ORGANISM: Artificial Sequence  
 137 <220> FEATURE:  
 138 <223> OTHER INFORMATION: primer  
 140 <400> SEQUENCE: 10

What is the source of  
 Genetic material?  
 Invalid  
 Response

See item #11  
 on error  
 Summary  
 Sheet

RAW SEQUENCE LISTING

DATE: 05/24/2006

PATENT APPLICATION: US/10/579,137

TIME: 12:20:34

Input Set : A:\TUR-181.Sequence.ST25.txt

Output Set: N:\CRF4\05242006\J579137.raw

141 cttgatcttc attgtgctgg g

21

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/579,137

DATE: 05/24/2006

TIME: 12:20:35

Input Set : A:\TUR-181.Sequence.ST25.txt

Output Set: N:\CRF4\05242006\J579137.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date